

AMENDMENTS TO THE CLAIMS:

Claim 1. "amended" (Based on the original submitted claim.)

~~An anti-motion sickness device comprised of:~~

~~a stabilized platform for supporting a person or item(s) to be stabilized;~~
~~a base mounted to the vehicle or moving object;~~
~~a stabilizing system connecting the stabilized platform to the base, the stabilizing system including a first sensor package for sensing motion of the vehicle about two or three perpendicular axes of rotation, a second sensor package located on the stabilized platform which provides level horizon data, a control system for stabilizing the stabilized platform based upon the first sensor package which is referenced to the second sensor package.~~
~~a braking system which prevents the stabilized platform from falling or flopping over when the power source to the drive mechanisms which hold the stabilized platform, are shut off, disconnected or fail.~~

A stabilizing device comprised of:

a stabilized payload platform for supporting a person(s) or item(s) to be stabilized;
 a base mounted to a vehicle or moving object,
 a stabilizing system connecting the stabilized payload platform to the base, the stabilizing system including:
a control system for controlling the position of the payload platform,
a sensor package A for sensing motion of the vehicle about two or three perpendicular axes of rotation, relative to at least two axes,
a sensor package B fixed to the stabilized payload platform and which includes level sensor means, comprising at least one level sensor for providing the control system with data used to calculate the position of the payload platform,
the stabilizing system having the means to orient the stabilized payload platform to more than at least one stabilized orientation including stabilized oriented to:
the earth's horizon,
stabilized oriented to the sum of the vector of the apparent gravity horizon,
a range of orientations between the earth's horizon and the vector of apparent

(Amended related to The Sept 8 approved claim wording for ease of comparison now)

gravity horizon.

Claim 2. "amended" (Based upon original submitted claim.)

~~The anti-motion sickness device of claim 1 wherein the stabilizing system connecting the stabilized platform to the base receives command information from an external source comprising a ship's gyro-compass.~~

The stabilizing device of claim 1 including:

a powered drive mechanism for moving each axis being stabilized.

a braking system which prevents the stabilized payload platform from falling over when the power to the powered drive mechanism is shut off, disconnected or fails.

Claim 3. "amended" (Based upon the original submitted claim.)

~~The stabilizing device anti-motion device of Claim 1-2 wherein the stabilized payload platform is fitted with one or more of a chair, a table, a bed, a medical operating table, a room, or any other item to be stabilized and which allows the occupant(s) or item(s) being stabilized to be isolated from at least one or more of the and significantly reduces the rolling, pitching, yaw or and jolting imparted by the vehicle. What is claimed is an automatic leveling and stabilized anti-motion sickness chair.~~

The stabilizing device of claim 1 including:

At least one or more of a chair, table, bed, medical operating table, or a room to be stabilized, and which provides the occupants with stabilization in at least two axes.

Claim 4. "amended" (Based on the original submitted claim.)

~~The anti-motion device of Claim 1 wherein the stabilized platform is fitted with a table which allows the payload to be isolated and significantly reduces the rolling, pitching and jolting imparted by the vehicle. What is claimed is an automatic leveling and stabilized table.~~

The stabilizing device of Claim 1 wherein the payload platform can be operated in an inverted position, hung or suspended.

Claim 5. "amended" (Based on the original submitted claim.)

~~The anti-motion device of Claim 1 wherein the stabilized platform is fitted with a bed which allows the occupant(s) to be isolated and significantly reduces the rolling, pitching~~

~~and jolting imparted by the vehicle. What is claimed is an automatic leveling and stabilized bed.~~

The stabilizing device of Claim 2 wherein the stabilization is autonomous and self correcting.

Claim 6. "amended"

~~The anti-motion device of Claim 1 wherein the stabilized platform is fitted with a hospital bed and attached walkways and work stations which allows the patient to be isolated and significantly reduces the rolling, pitching and jolting imparted by the vehicle. The walkways and workstations allow the medical team to perform medical operations and be stabilized in relation to the patient. What is claimed is an automatic leveling and stabilized operating bed.~~

The stabilizing device of Claim 1 wherein the stabilizing device is scalable to be smaller or larger.

Claim 7. "canceled"

~~The anti-motion device of Claim 1 wherein the stabilized platform is fitted with a room which allows the occupant(s) to be isolated and significantly reduces the rolling, pitching and jolting imparted by the vehicle. What is claimed is an automatic leveling and stabilized room.~~

Claim 8. "amended"

A method for stabilizing a platform comprised of the steps of:

Providing a stabilized payload platform,

providing a base mounted to a vehicle or moving object,

providing a stabilizing system connected between the payload platform and the base,

the stabilizing system including:

a control system for controlling the position of the payload platform,

a sensor package A for sensing motion of the vehicle or moving object relative to at

least two axes,

a sensor package B comprising at least one level sensor for providing the control

system with data used to calculate the position of the payload platform,

providing the stabilizing system with the means to orient the stabilized payload

platform to one or more stabilized orientations including stabilized oriented to:
the earth's horizon,
the apparent gravity horizon,
a range of orientations relative to in-between the earth's horizon and relative to an
artificial horizon which is relative to the vector of apparent gravity.

~~A method for stabilizing an object, to reduce or eliminate motion wherein the object is at least one of a room, a chair, a table, and a bed, the motion being of the type which may cause motion sickness.~~

Claim 9. "amended"

~~The method for stabilizing of claim 8, wherein the object is a table, and there is a step of stabilizing to reduce or eliminate motion.~~

The method of Claim 8 including,
providing a powered drive mechanism for moving each axis being stabilized,
providing a braking system for preventing the stabilized platform from falling over
when the power to the powered drive mechanism is shut off, disconnected or fails.

Claim 10. "amended"

The method for stabilizing of claim 9 wherein there is the step of providing at least one or more of a chair, table, bed, medical operating table, or a room to be stabilized.

~~The method for stabilizing of claim 8, wherein the object is a bed, to reduce or eliminate motion which may cause motion sickness.~~

Claim 11. "amended"

The method for stabilizing of claim 8 wherein there is the step of performing medical procedures wherein one or more of the persons or items involved with the medical procedure are stabilized. ~~the object comprises a medical operating table, connected walkways and work stations in such a way as to allow delicate medical operations to be performed on moving vehicles.~~

Claim 12. (canceled)

~~The method for stabilizing of Claim 9 and providing a for stabilizing and making the payload platform consisting of a room in order to provide stabilization to the room and all of its contents.~~

Claim 13. (canceled)

~~The stabilizing device anti-motion device of Claim 3 2 1 wherein the stabilized payload platform is and chair are stabilized in three perpendicular axes, allowing the occupant(s) or item(s) to be stabilized in relation to the horizon and to a magnetic direction.~~

Claim 14. (Canceled)

~~The stabilizing device anti-motion device of Claim 13 wherein there are the stabilized platform has controls which allow the stabilized payload platform to maintain a level position which may be at an angle to the horizon.~~

Claim 15. "amended"

~~The stabilizing device anti-motion device of Claim 1, 1 2 wherein the device is portable and can be easily moved from location to location by being carried due to its light weight, or rolled using wheels attached to the device and may have a locking device or attachment hardware to secure it to a vessel or vehicle.~~

The stabilizing device of claim 1 wherein the device is portable and can be moved from location to location.

Claim 16. "amended"

~~The stabilizing device anti-motion device of Claim 1, 1, 2 wherein the device is controllable by the occupant or a separate operator using a remote control panel, the controls comprising one or more of;~~

~~an On/Off control;~~

~~a speed of stabilization control;~~

~~an angle of horizontal stabilization control;~~

~~an azimuth angle of stabilization to allow the occupant to point or be pointed in a~~

~~specific direction.~~

~~The stabilizing device of claim 1 wherein the device is controlled by an occupant, an operator, or a computer, and who controls one or more of;~~

The on/off control for the device.

The on/off control for the stabilization.

The orientation of the payload platform in up to three axes.

The speed of actuation of the payload platform.

Claim 17. "amended"

~~The stabilizing device anti-motion device~~ of Claim 146 wherein one or more of the controls the control mechanism is a utilizes wireless remote control.

Claim 18. "amended" (based on the original submitted claim.)

~~A method for grouping one or more anti motion sickness devices on a sightseeing vehicle comprising mounting one or more stabilization devices, each having one or more payload platforms including one or more of a chair, bed, table or other payload platform, on a vehicle and providing the occupant(s) or items to be stabilized with stabilization in one, two or three orthogonal axis wherein the occupant(s) are stabilized against motion sickness, and providing one or more of the occupants or the operator with controls including one or more of: On/Off, horizontal angle of stabilization, speed of stabilization and direction to be faced,~~

~~whereupon a group is formed and stabilized from the vehicle pitch and roll in one, two or three orthogonal axes.~~

The method of claim 8 including grouping more than one stabilizing devices on a vehicle or moving object.

Claim 19. "amended"

~~Claim 19. The method of claim 18 further comprising a step of a tour operator pointing the stabilized occupants in any direction using a remote or wireless remote control.~~

The method of claim 8 including providing controls allowing an occupant, an operator or a computer to control one or more of:

The on/off control for the device.

The on/off control for the stabilization.

The orientation of the payload platform in up to three axes.

The speed of actuation of the payload platform.

Claim 20. "Canceled"

~~The stabilized device anti motion device of Claim 1-2 wherein the actuators comprise stabilized platform is moveable by at least one of electronic motors, motors and gears, linear actuators, hydraulic actuators, or any other and any method of actuating moving the stabilized payload platform.~~

Claim 21:

The method of claim 19 including grouping more than one stabilizing device on a vehicle or moving object.

Claim 22. (new) A stabilizing device comprised of:

a stabilized payload platform for supporting a person(s) or item(s) to be stabilized;

a base mounted to a vehicle or moving object;

a stabilizing system connecting the stabilized payload platform to the base wherein the stabilizing system can receive sensor data or stabilization commands from an external source.

a control system that uses the sensor data or stabilization commands to orient the payload platform relative to the earth's horizon or relative to the apparent gravity horizon, or relative to an orientation in between the earth's horizon and the apparent gravity horizon.

Claim 23. The stabilizing device of claim 22 including,

a powered drive mechanism for each axis being stabilized.

a braking system which prevents the stabilized payload platform from falling over when the power to the powered drive mechanism is shut off, is disconnected or fails.

Claim 24. (new)

A stabilizing device comprised of;

a stabilized payload platform for supporting a person(s) or item(s) to be stabilized;

a base mounted to a vehicle or moving object,

a stabilizing system connecting the stabilized payload platform to the base, the stabilizing system including;

a sensor package A for sensing motion of the vehicle about two or three perpendicular axes of rotation,

a sensor package B fixed to the stabilized payload platform and which includes level sensor means,

the stabilizing system having the means to orient the stabilized payload platform to more than one stabilized orientations including stabilized oriented to:
the earth's horizon,
stabilized oriented to the sum of the vector of the apparent gravity,
or in a range of orientations between the earth's horizon and the vector of apparent gravity.